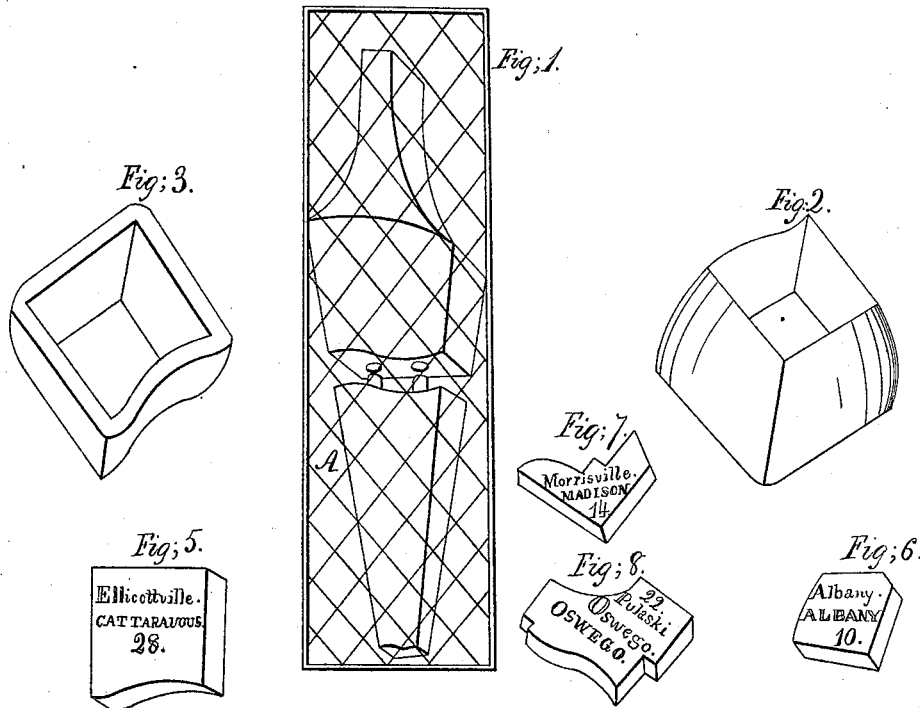


McCleary & Pierce
Making Geographical Maps.
N^o 6,747. Patented Sep. 25, 1849.

Fig; 4.

<i>Ellicottville.</i>	<i>Ellicottville.</i>	<i>Ellicottville.</i>	<i>Ellicottville.</i>	<i>Ellicottville.</i>	<i>Ellicottville.</i>
<i>CATTARAUGUS.</i>	<i>CATTARAUGUS.</i>	<i>CATTARAUGUS.</i>	<i>CATTARAUGUS.</i>	<i>CATTARAUGUS.</i>	<i>CATTARAUGUS.</i>
<i>28.</i>	<i>28.</i>	<i>28.</i>	<i>28.</i>	<i>28.</i>	<i>28.</i>



UNITED STATES PATENT OFFICE.

SAMUEL McCLEARY AND JOHN PIERCE, OF HOOSICK, NEW YORK.

MAKING DISSECTED MAPS.

Specification of Letters Patent No. 6,747, dated September 25, 1849.

To all whom it may concern:

Be it known that we, SAMUEL McCLEARY and JOHN PIERCE, of Hoosick, in the county of Rensselaer and State of New York, have made a new and useful improvement in the method of making and cutting dissected maps, charts, or pictures of wood, paper, or other suitable materials; and we do hereby declare that the following is a full and exact description thereof.

The nature of our invention consists in forming a set of steel, or other suitable metallic dies, exactly corresponding in number and form with the towns, counties, States or whatever divisions it may be desirable to make in the map, or chart—and the wood and paper or other material, being fitted to a proper thickness and surface by pressure, is split, or cut off, with each of the dies, and these several pieces or sections, when properly arranged will exactly fit together and form a whole and complete map or chart. But to enable others skilled in the art to make, and use our said invention, we will proceed to give a more particular description of its construction and operation, the annexed drawings making part of the specification.

No. 2, a die of steel, having a sharp edge for cutting, and shaped to cut or split off a section representing the county of Cattaraugus, with the edge upward; No. 3, the same section reversed; Note.—Every section will require a separate die unless two or more are found of the same dimensions; No. 4, a strip or bolt of wood sawed off crosswise of the grain, of a proper thickness for the map, and of a suitable width for the section representing the county of Cattaraugus, with paper smoothly pasted on to both sides, and having the necessary inscription or statistics printed thereon—see, also, Nos. 5, 6, 7 and 8, which represent detached sections, or counties, having the names of the shire towns—the county—and the number of the towns in the county, and the sections or counties being covered with different shades of paper, require no coloring with a pencil after the paper is pasted on to the wood, to distinguish the counties.

Note.—The foregoing description is ap-

plied to a map of the State of New York; but the same principle will apply equally well to any map or chart, which it may be desirable to have dissected for the purpose of acquiring with more facility, a knowledge of geography or history. And the sections may represent, State, kingdoms, oceans and seas—or towns and lakes or less divisions of land or water and bearing on their surface any amount of statistical, or topical information desired, or the surface will admit.

Operation.—The dies for the several parts of the map being made was above described, one of which is fitted into any suitable frame, so that the sections, where cut or split off, may pass through the dies freely—and the strips, or blocks being also prepared, (see No. 4,) with the proper inscriptions—one end of the strip or block is placed under the edge of the dies, so as to leave the inscription, nearly in the center of the section, when cut off, and this is placed under any convenient press by which a section is separated from the strip or block—and by the same process all the sections are cut or split—and, care should be taken to have the faces, on which the descriptions are printed of several different contours—and to keep each kind of the sections by themselves. The sections are now to be selected and arranged in their proper places in a case or frame fitted to receive them, and exhibit the map as a whole—the border or marginal notes and reference being prepared and cut in the same manner as the smaller sections.

What we claim as our invention, and desire to secure by Letters Patent, is—

Our mode of making dissected maps, the same consisting in cutting the sections with the grain of the wood by suitably prepared dies; the paper with the inscriptions, or representations, being pasted upon the wood before the sections are cut, all as above specified and for the purposes herein mentioned.

SAMUEL McCLEARY.
JOHN PIERCE.

Witnesses:

JOB S. OLIN,
JOHN HASTINGS.